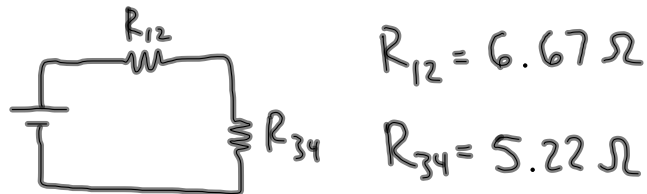
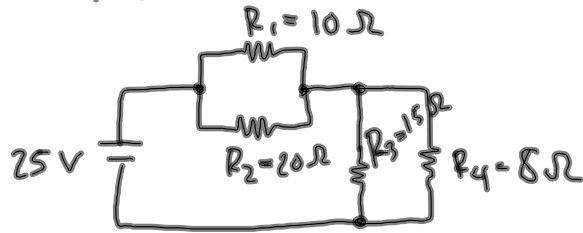


Find all V 's and I 's:



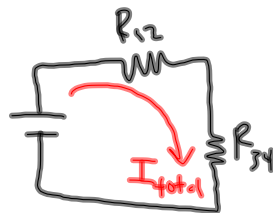
$$R_{12} = 6.67\Omega$$

$$R_{34} = 5.22\Omega$$



$$R_{eq} = 11.9\Omega$$

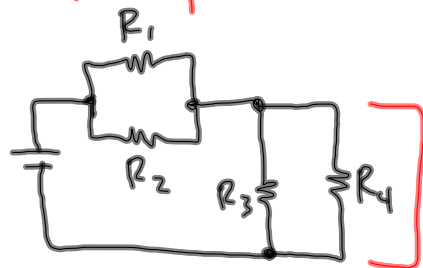
$$I_{total} = \frac{V_{total}}{R_{eq}} = \frac{25V}{11.9\Omega} = 2.10A$$



$$V_{12} = I_{total} R_{12} = 14.0V$$

$$V_{34} = I_{total} R_{34} = 11.0V$$

$$V_{12} = 14V$$



$$I_1 = \frac{V_{12}}{R_1} = 1.4A$$

$$I_2 = \frac{V_{12}}{R_2} = 0.7A$$

$$I_3 = \frac{V_{34}}{R_3} = 0.73A \quad I_4 = \frac{V_{34}}{R_4} = 1.37A$$

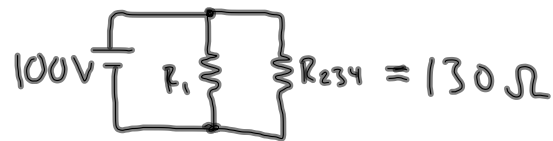
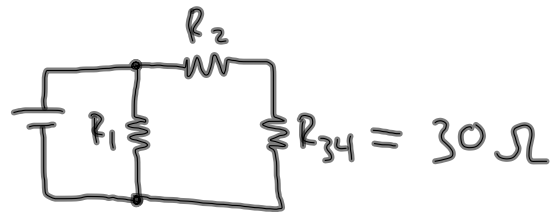
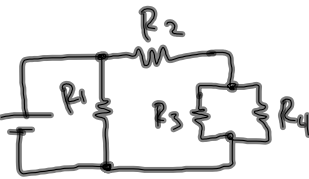
Find all V 's and I 's:

$$R_1 = 80 \Omega$$

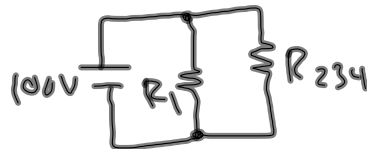
$$R_2 = 100 \Omega$$

$$R_3 = 50 \Omega$$

$$R_4 = 75 \Omega$$

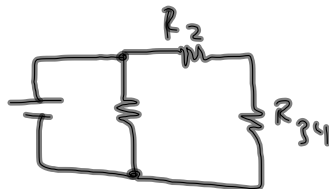


$$I_{total} = \frac{V_{total}}{R_{eq}} = 2.02 \text{ A}$$



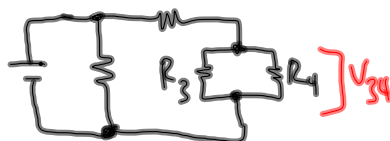
$$I_1 = \frac{V_{total}}{R_1} = 1.25 \text{ A}$$

$$I_{234} = \frac{V_{total}}{R_{234}} = 0.77 \text{ A}$$



$$V_2 = I_{234} R_2 = 77 \text{ V}$$

$$V_{34} = I_{234} R_{34} = 23 \text{ V}$$



$$I_3 = \frac{V_{34}}{R_3} = 0.462 \text{ A}$$

$$I_4 = \frac{V_{34}}{R_4} = 0.31 \text{ A}$$

Find all V 's and I 's:

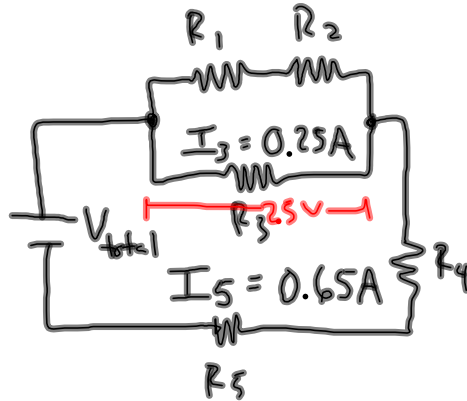
$$R_1 = 12 \Omega$$

$$R_2 = 56.5 \Omega$$

$$R_3 = 100 \Omega$$

$$R_4 = 30 \Omega$$

$$R_5 = 25 \Omega$$



$$V_3 = I_3 R_3 = 25 \text{ V}$$

$$I_{\text{total}} = 0.65 \text{ A}$$

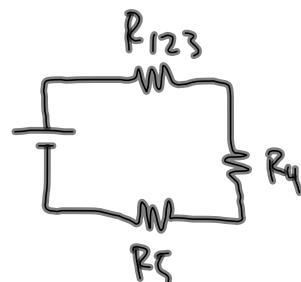
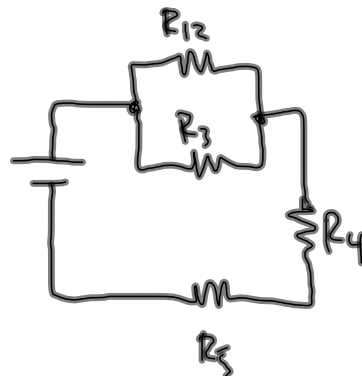
$$V_{12} = I_{12} R_{12}$$

$$I_{12} = \frac{V_{12}}{R_{12}} = \frac{25 \text{ V}}{62.5 \Omega} = 0.40 \text{ A}$$

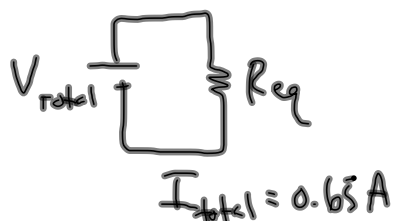
$$V_1 = I_{12} R_1 = 4.8 \text{ V}$$

$$V_2 = I_{12} R_2 = 20.2 \text{ V}$$

$$V_4 = I_4 R_4 = 19.5 \text{ V}$$



$$R_{eq} = 93.5 \Omega$$



$$V_{\text{total}} = I_{\text{total}} R_{eq} = 60.8 \text{ V}$$

Find all V 's and I 's:

$$R_1 = 70 \, \Omega$$

$$R_2 = 90 \, \Omega$$

$$R_3 = 110 \, \Omega$$

$$R_4 = 85 \, \Omega$$

$$R_5 = 92 \, \Omega$$

